| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|----------|---------------------|---------|------------------|
| L32 | 0 | ((second adj (switch switching)) and voltage and current and loss and hybrid and parallel and conduction and (control processor) and (on conducting) and (off non-conducting)).clm. | US-PGPUB | OR | ON | 2008/01/24 18:20 |
| L33 | 1 | ((second adj (switch switching)) and voltage and current and loss and parallel and conduction and (control processor) and (on conducting) and (off non-conducting)).clm. | US-PGPUB | OR | ON | 2008/01/24 18:21 |
| L34 | 2 | ((second adj (switch switching)) and voltage and current and loss and parallel and conduction and (control processor)).clm. | US-PGPUB | OR | ON | 2008/01/24 18:22 |
| L35 | 1 | ((second adj (switch switching)) and voltage and current and loss and parallel and conduction and (on conducting) and (off non-conducting)).clm. | US-PGPUB | OR | ON | 2008/01/24 18:22 |

· Page 1

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|--|--|---------------------|---------|------------------|
| L1 | 1 | 361/8.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:41 |
| L2 | 1551 | (mosfet (field-effect adj transistor) (field adj effect adj transistor) (metal adj oxide adj semiconductor adj (fet field)) (metal-oxide adj semiconductor adj (fet field))).ti. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:42 |
| L3 | 1031 | ("mosfet" "mos transistor" "metal oxide semiconductor field effect transistor" "metal oxide semiconductor field-effect transistor" "metal-oxide semiconductor field effect transistor" "metal-oxide semiconductor field-effect transistor" "metal-oxide semiconductor field-effect transistor" "metal oxide semiconductor fet" "metal-oxide semiconductor fet").ti. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:45 |
| L4 | 49 | ("mosfet" "mos transistor" "metal oxide semiconductor field effect transistor" "metal oxide semiconductor field-effect transistor" "metal-oxide semiconductor field effect transistor" "metal-oxide semiconductor field-effect transistor" "metal-oxide semiconductor field-effect transistor" "metal oxide semiconductor fet" "metal-oxide semiconductor fet").ti. and switch.ti. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:46 |
| L5 | 7 | 361/2.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:47 |

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| L6 | 1 | 361/8.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:47 |
| L7 | 0 | 361/13.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2008/01/24 17:48 |
| L8 | 0 | (parallel with (second adj igbt) with mosfet) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:48 |
| L9 | 0 | (parallel with (second adj igbt) same mosfet) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:48 |
| L10 | 24 | (parallel with igbt same mosfet) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:49 |
| L11 | 14 | 307/112.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:49 |
| L12 | 1 | 307/113.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:50 |

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| L13 | 9 | 307/115.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:50 |
| L14 | 4 | 307/125.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:51 |
| L15 | 4 | 307/131.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:52 |
| L16 | 0 | 307/141.4.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:52 |
| L17 | | 307/141.8.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:53 |
| L18 | 1 | 307/143.ccls. and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:53 |
| L19 | 8 | (igbt with diode with mosfet with parallel) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:54 |

| L20 | 2 | (switch with (cryogenic adj (cool cooling))) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:54 |
|-----|----|---|--|------|----|------------------|
| L22 | 0 | (cryogenic\$ adj (cool cooled cooling)) same (switch adj loss) same (conduction adj loss) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:55 |
| L23 | 0 | (cryogenic\$ adj (cool cooled cooling)) same (switch adj loss) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2008/01/24 17:56 |
| L24 | 0 | (cryogenic\$ adj (cool cooled cooling)) same (switch adj time) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:56 |
| L25 | 0 | (cryogenic\$ adj (cool cooled cooling)) same ((switch siwtching) adj (time loss)) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:56 |
| L26 | 37 | ((switch switching) adj (time loss)) same (conduction adj loss) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:57 |
| L27 | 25 | (hybrid adj switch) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:57 |

| L28 | 3 | (hybrid adj switch) and switching and conduction and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:57 |
|-----|----|---|--|----|----|------------------|
| L29 | 19 | ((reduce adj (conduction switching losses)) same (switch switching) same (time duration) same (order sequence)) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:58 |
| L30 | 1 | ((reduce adj (conduction switching losses)) same (switch switching) same (predetermined adj (time duration)) same (order sequence)) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 17:58 |
| L31 | 1 | (((reduce adj losses) (reduce adj (conduction switching) adj losses)) same (switch switching) same (predetermined adj (time duration)) same (order sequence)) and @pd>="20070815" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/24 18:00 |

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